

CLAIMS

1. An activation apparatus wherein two or more metals or materials mainly containing metals, having different standard electrode potentials, are mutually stacked to thereby generate electric charges, and electromagnetic waves are generated by a potential difference between the stacked metals or materials.

2. The activation apparatus according to claim 1, wherein at least one of the two or more types of metals is grained.

3. The activation apparatus according to claim 1, wherein at least one of mineral or ceramic, or sludge of mineral or ceramic or metal is held between the two or more types of metals.

4. The activation apparatus according to claim 2, wherein at least one of mineral or ceramic, or sludge of mineral or ceramic or metal is held between the two or more types of metals.

5. The activation apparatus according to claim 1, 2, 3, or 4, wherein the stacked member has a plate, band, or sheet shape.

6. The activation apparatus according to claim 1, 2, 3, or 4, wherein the stacked member has an arch or tubular shape.

7. The activation apparatus according to claim 1, 2, 3, or 4, wherein a reflecting member which reflects the electromagnetic wave is disposed on at least one surface of

the stacked member, and the generated electromagnetic wave is concentrated on a center.

8. The activation apparatus according to claim 5, wherein a reflecting member which reflects the

5 electromagnetic wave is disposed on at least one surface of the stacked member, and the generated electromagnetic wave is concentrated on a center.

9. The activation apparatus according to claim 6, wherein a reflecting member which reflects the

10 electromagnetic wave is disposed on at least one surface of the stacked member, and the generated electromagnetic wave is concentrated on a center.